

VIA-017-CIP

PATENT

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| Applicant  | : | Brian Banister  | <p>I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service with sufficient postage as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p>On: January 22, 2007<br/><i>Barbara Kelly</i> 1/22/07<br/>Barbara S. Kelly</p> |
| App. No.   | : | 10/076,925  |  |
| Filed      | : | February 14, 2002   |  |
| For        | : | METHOD AND APPARATUS FOR APPLYING OVERLAID PERTURBATION VECTORS FOR GRADIENT FEEDBACK TRANSMIT ANTENNA ARRAY ADAPTATION |  |
| Group Art: | : | 2611; Conf. No. 3966  |  |
| Examiner:  | : | Ghulamali, Qutbuddin  |  |

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the subject application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

(X) According to 37 CFR 1.97, this Information Disclosure Statement is being filed after the payment of the issue fee and no item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application. The information submitted herewith was cited in applications related to the present application more than three months prior to the filing of this information disclosure statement. This information disclosure statement and the information contained herein is being submitted in accordance with 37 CFR 1.97 (h) and (i), and the undersigned requests the Examiner to consider the information contained herein, and if not considered to place the information in the file for the above-referenced patent application.

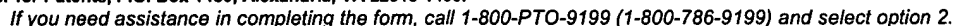
(XX) Photocopies of the reference listed on the attached form PTO/SB/08A/08B are enclosed in accordance with 37 CFR 1.98(2)(ii). The listed reference is in the English language.

Respectfully submitted,

Date: January 22, 2007

*Martin J. Jaquez*  
Signature **Martin J. Jaquez**  
Registration No. 38,060

JAQUEZ & ASSOCIATES  
6265 Greenwich Drive, Suite 100D  
San Diego, CA 92122  
(858) 453-2004 (voice)  
(858) 453-1280 (facsimile)



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STATEMENT BY APPLICANT**

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|---|-----------------------------|-----------|----------------------|-------------------------------|-------------|
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) | <b>Application Number</b>   |           | 10/076,925           |                               |             |
|   | <b>Filing Date</b>          |           | February 14, 2002    |                               |             |
|   | <b>First Named Inventor</b> |           | Banister             |                               |             |
|   | <b>Art Unit</b>             |           | 2611                 |                               |             |
|   | <b>Examiner Name</b>        |           | Ghulamali, Qutbuddin |                               |             |
| <b>Sheet</b>  | 2                           | <b>of</b> | 2                    | <b>Attorney Docket Number</b> | VIA-017-CIP |

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | 7                     | Heath, et al., "A Simple Scheme for Transmit Diversity Using Partial Channel Feedback", Information Systems Laboratory, IEEE, 1998, pp. 1073-1078.  |                |
|                    | 8                     | Gerlach, et al., "Base Station Transmitting Antenna Arrays for Multipath Environments", Signal Processing, Vol. 54, No. 1, published by Elsevier, October 1996, pp. 59-73.  |                |
|                    | 9                     | Pedersen, et al., "A Stochastic Model of the Temporal and Azimuthal Dispersion Seen at the Base Station in Outdoor Propagation Environments", (cont. below)   |                |
|                    |                       | (cont. from above) IEEE Transactions on Vehicular Technology, Vol. 49, No. 2, March, 2000, pp. 437-447.   |                |
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|---------------------------|--|------------------------|--|
| <b>Examiner Signature</b> |  | <b>Date Considered</b> |  |
|---------------------------|--|------------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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